

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. – 26. (Canceled).

27. (Previously Presented) A DNA sequence encoding a polypeptide comprising at least one liver stage-specific T cell epitope of *P. falciparum* Liver Stage Antigen (LSA).

28. (Previously Presented) A DNA according to claim 27, wherein said polypeptide has an amino acid sequence selected from the group consisting of the amino acid sequence of Figure 9 (SEQ. ID NO.:43) and the amino acid sequence of Figure 10 (SEQ. ID NO.:47).

29. (Currently Amended) A DNA encoding a polypeptide consisting of amino acid sequence (SEQ ID NO: 19, 20, 21, 22 or 23) or an epitope effective portion thereof.

30. (Currently Amended) A DNA according to claim 29, wherein said polypeptide is preceded by one or more of the amino acid sequences of (SEQ ID NOs: 2-18), wherein X<sub>1</sub> is Ser or Arg; X<sub>2</sub> is Glu or Asp; X<sub>3</sub> is Arg or Leu; and X<sub>4</sub> is Glu or Gly.

31. (Currently Amended) A DNA according to claim 27, wherein said polypeptide has an amino acid sequence consisting of the amino acid sequence of Figure 7.

32. (Previously Presented) A DNA encoding polypeptide comprising at least one epitope of *P. falciparum* Liver Stage Antigen (LSA), wherein said

polypeptide has an amino acid sequence consisting of the first 153 amino acids of the amino acid sequence of (SEQ ID NO: 37), or an epitope effective portion thereof.

33. (Currently Amended) A DNA according to claim 32, wherein said polypeptide is preceded by one or more of the amino acid sequences of (SEQ ID NOs: 2-18), wherein wherein  $X_1$  is Ser or Arg;  $X_2$  is Glu or Asp;  $X_3$  is Arg or Leu; and  $X_4$  is Glu or Gly.

34. (Currently Amended) A DNA according to claim 32, wherein said polypeptide is followed by one or more of the amino acid sequences of (SEQ ID NOs: 2-18), wherein wherein  $X_1$  is Ser or Arg;  $X_2$  is Glu or Asp;  $X_3$  is Arg or Leu; and  $X_4$  is Glu or Gly.

35. (Previously Presented) A DNA according to claim 27, further comprising DNA encoding at least one B epitope from a liver-stage specific protein produced by *P. falciparum*.

36. (Currently Amended) A DNA encoding a polypeptide consisting of the last 279 amino acids of the amino acid sequence of (SEQ ID NO: 45) or an epitope effective portion thereof.

37. (Previously Presented) A DNA encoding a polypeptide according to any one of claims 29, 32 or 34, wherein said polypeptide is linked to one or several amino acids of one or more peptides other than a *P. falciparum* Liver Stage Antigen.